1 2	CLAIMS LIST, Marked Up
3	The following claims are annotated with deleted portions lined out, and added portions in bold , italicized, and bracketed [].
5	(1) (previously amended, now, twice amended) a machine for
6	measuring angles about a plurality of axes [of a single plane at a time],
7	comprising:
8	one or more multi-axis, gravity-sensing, tilt sensor(s), er-inertial
9	accelerometer(s), or multiple [a plurality of single-axis,] gravity
10	sensing tilt-sensor(s), or inertial asseleremeter(s) situated about
11	different axes;
12	
13	a computing device, preferably a microprocessor, that receives
14	inputs from the said tilt sensor(s)/acceleremeter(s), translates them
15	into expressions of angular measurement and outputs the results
16	for display, computation, or extraction; and
17	
18	a means of mounting components, preferably a case [a unitary
19	means of essentially rigidly mounting components, said
20	means comprising, but not limited to, a case or a frame].
21	•
22	(2) (previously amended, now, twice amended) A machine for measuring
23	angles about a plurality of axes [of a single plane at a time], comprising:
24	one or more multi-axis, gravity-sensing, tilt sensor(s),-or-inertial
25	accelerometer(s), or multiple [a plurality of] single-axis, gravity
26	sensing tilt-sensor(s), or inortial accelerometer(s) situated about
27	different axes;
28	

1	a computing device, preferably a microprocessor, that receives
2	inputs from the said tilt sensor(s)/acceleremeter(s), translates them
3.	into expressions of angular measurement calculates compounded
4	angles of the various angles it measures and outputs the results for
.5	display, computation, or extraction; and
6 7	a means of mounting components, preferably a case a unitary
8	means of essentially rigidly mounting components, said means
9	comprising, but not limited to, a case or a frame.
10 ·	•
	(3) (previously amended, now, twice amended) A machine as in claims (1)
11	
12	or (2) wherein a means of information extraction is incorporated, [wherein
13	the means may comprise, but are not limited to] in, preferably, a
14	communications port or infra-red transmitter/receiver.
15	
16	(4) (previously amended, now, twice amended) A machine as in claim (1)
17	or (2) that displays the results of the measurements and/or calculations in
18	[pictorial or] graphic form.
19	
20	(5) (previously amended, now canceled) A machine as in claim (4)
21	wherein multiple displays may be exhibited simultaneously.
22	
23	(6) (previously amended, now canceled) A machine as in claim (4)
24	wherein multiple displays may be exhibited sequentially.
25	

1	(7) (previously amended) A machine as in claim (4) wherein multiple
2	displays modes are controllable, being user selectable to exhibit
3	simultaneously or sequentially.
4	
5	(8) (previously amended, now twice amended) A machine as in claim (4)
6	wherein one or more [pictorial or] graphic displays resemble the form of
7 ·	a buli's-eye bubble level.
8	
9	(9) (previously amended, now twice amended) A machine as in claim (4)
10	wherein one or more [pictorial or] graphic displays resemble the form of
11	a curved-tube bubble level.
12	
13	(10) (previously amended) A machine as in claim (4) wherein the displays
14	appear on different faces of the machine's case according to the axis
15	about which the measurements or calculations producing them are made
16	
17	(11) (previously amended) A machine as in claim (4) that, having
18	calculated a compound angle, can display a line representing the edge of
19	the plane in which that angle lies.
20	
21	(12) (previously amended) A machine as in claim (1) or (2) that displays
22	the results of the measurements and/or calculations in numeric form.
23	
24	(13) (previously amended, now canceled) A machine as in claim (12)
25	wherein multiple displays may be exhibited simultaneously.
26	
27	(14) (previously amended, now canceled) A-machine as in claim (12)
00	whorein multiple displaye may be exhibited acquentially

1	(15) (previously amended) A machine as in claim (12) wherein multiple
2	displays modes are controllable, being user selectable to exhibit
3	simultaneously or sequentially.
4	
5	(16) (previously amended) A machine as in claim (12) wherein the
6	displays appear on different faces of the machine's case according to the
7.	axis about which the measurements or calculations producing them are
8	made.
9	
10	(17) (previously amended) A machine as in claim (12) that, having
11	calculated a compound angle, can display a line representing the edge of
12.	the plane in which that angle lies.
13	
14	(18) (previously amended, now twice amended) A machine as in claim (1)
15	or (2) wherein the display format is user controllable, allowing selection of
16	either graphic or numeric format.
17	
18	(19) (previously amended) A machine as in claim (18) wherein multiple
19	displays may be exhibited simultaneously.
20	
21	(20) (previously amended) A machine as in claim (18) wherein multiple
22	displays may be exhibited sequentially.
23	
24	(21) (previously amended) A machine as in claim (18) wherein multiple
25	displays modes are controllable, being user selectable to exhibit
26	simultaneously or sequentially.

27

1	(22) (previously amended) A machine as in claim (18) wherein one or
2	more graphic displays resemble the form of a bull's-eye bubble level.
3	
4	(23) (previously amended) A machine as in claim (18) wherein one or
5	more graphic displays resemble the form of a curved-tube bubble level.
6	
7	(24) (previously amended) A machine as in claim (18) wherein the
8	displays appear on different faces of the machine's case according to the
9	axis about which the measurements or calculations producing them are
10	made.
11	
12	(25) (previously amended) A machine as in claim (18) that, having
13	calculated a compound angle, can display a line representing the edge of
14	the plane in which that angle lies.
15	
16	(26) (previously amended) A machine as in claims (1) or (2) wherein
17	angles may be measured and/or calculated in multiple modes comprising
18 .	various levels of precision and of speed of measurement and/or
19	calculation.
20	
21	(27) (previously amended) A machine as in claim (26) wherein the modes
22	of measurement and/or calculation may be selected automatically by the
23	machine itself.
24	(28) (previously amended) A machine as in claim (26) wherein the modes
25	of measurement and/or calculation may be manually selected by the user.
26	
27	(29) (previously amended, now canceled) A machine as in claims (1) or
28	(2) wherein one or more means of orienting the device with respect to

1	distant or remote reference points is incorporated, these means being
2	proforably by use of a laser light or other electromagnetic energy beam
3	projected from the device, but also including optical sight or reticule, audio
4	beam, mechanical arm or extension, or any other manner of remete
5	reference.
6	
7	(30) (previously amended) A machine as in claims (1) or (2) wherein the
8	measurements and results of calculations may be recorded and later
9	displayed or output for reference.
10	
11	(31) (previously amended) A machine as in claims (1) or (2) wherein the
12	computing component, preferably, a micro-processor, can automatically
13	select a display mode in accordance with the orientation of the device as
14	detected by the gravity sensing tilt sensor(s) or inertial accelerometers.
15	
16	(32) (previously amended) A machine as in claim (1) or (2) wherein the
17	ambient temperature is measured and displayed for calibration purposes.
18	
19	(33) (previously amended, now twice amended) A machine as in claim (1)
20	or (2) wherein a discrete signal, preferably, audio, visual, or electrical, is
21	emitted when the unit attains [unit's measurements] one or more pre-
22	determined angular position(s).
23	
24	(34) (previously amended, now twice amended) A machine as in claim (1)
25	or (2) wherein an alarm signal is emitted that varies in accordance with the
26	machine's [measurement's] proximity to [one or more] pre-determined
27	angles;

28

1	(35) (previously amended) A machine as in claim (1) or (2) also
2	comprising a means of recording, or of storing in a memory, a baseline or
3	zero point for each axis from whence angles may be measured;
4	
5	(36) (previously amended) A machine as in claim (1) or (2) wherein the
6	functions of angular measurement may be set to reset to zero at pre-
7	determined or user selected angles, presenting, at each applicable angle,
8	a display such as would be exhibited by a conventional bubble
9 10	inclinometer in the level position.
11	(37) A machine for measuring angles about one or more axes of a single
12	plane at a time, comprising:
13	one or more multi-axis, gravity-sensing, tilt sensor(s), or one or
14	more single-axis, gravity sensing tilt-sensor(s), situated about one
15	or more axes;
16	
17	a microprocessor, that receives inputs from the said tilt sensor(s),
18	translates them into expressions of angular measurement and
19	outputs the results for display, computation, or extraction, and
20	computes and generates a simulated curved-tube, bubble-level
21	display; and
22	
23	a unitary means of essentially rigidly mounting components, said
24 25	means comprising, but not limited to, a case or a frame.
26	(38) A machine as is claim 37, wherein the one or more gravity-sensing tilt
27	sensor(s) comprise one or more sensors using liquid metal as gravity
28	sensing means.

I.	(33) A machine for measuring angles about a plurality of axes of a single
2	plane at a time, comprising:
3	one or more multi-axis, gravity-sensing, tilt sensor(s), or one or
4	more single-axis, gravity sensing tilt-sensor(s), comprising one or
5	more sensors using liquid metal as gravity sensing means, situated
6	about one or more axes;
7	
8	a microprocessor, that receives inputs from the said tilt sensor(s),
9	translates them into expressions of angular measurement and
10	outputs the results for display, computation, or extraction,
11	
12	displays the results of the measurements and/or calculations in
13	pictorial or graphic form.
14	a unitary means of essentially rigidly mounting components, said
15	means comprising, but not limited to, a case or a frame.
16	
17	(40) A machine as in claim (39) wherein the display comprises a
18	simulated curved-tube bubble-level.
19	
20	(41) A machine for measuring angles about a plurality of axes of a single
21	plane at a time, comprising:
22	one or more multi-axis, gravity-sensing, tilt sensor(s), or one or
23	more single-axis, gravity sensing tilt-sensor(s), comprising one or
24	more sensors using liquid metal as gravity sensing means, situated
25	about one or more axes;
26	
27	a microprocessor, that receives inputs from the said tilt sensor(s),
28	translates them into expressions of angular measurement and

1	outputs the results for display, computation, or extraction, and
2	computes and generates a simulated curved-tube, bubble-level
3	display; and
5	a unitary means of essentially rigidly mounting components, said
6	means comprising, but not limited to, a case or a frame.
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	